

Measurement of Hepatic Vein Pressure Gradient: Role in Management of Portal Hypertension

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National Institutes of Health Workshop

June 16-17, 2006

**North Bethesda Marriott Hotel
Rockville, MD**

Organizers:

**Thomas Boyer, Roberto Groszmann, Don Rockey,
Edward Doo and Jay H. Hoofnagle**

Aims of the meeting: To assess current status of technique and role of portal pressure measurements in management of portal hypertension. A special focus will be on standardization of terminology and methodology in hepatic vein pressure gradient measurements and assessment of current evidence for the usefulness of these measurements in managing portal hypertension. Gaps in knowledge about portal pressure measurements and promising opportunities in development of surrogate or non-invasive means of assessing portal pressure will be highlighted. The meeting will attempt to define what studies and study designs would best define the risks, benefits, limitations and role of portal pressure measurements in monitoring patients with advanced liver disease and providing a surrogate for the complications of portal hypertension in clinical trials. Such studies should also allow for assessment of newer non-invasive means of portal pressure assessment. A summary of the meeting and the recommendations would be submitted for publication.

Day 1: Friday, June 16, 2006

8:00 Welcome and aims Jay Hoofnagle [Y]

Session 1: *Portal Hypertension (PH) & its Assessment.* Moderators:
Edward Doo and Tom Boyer

8:10	Natural history of PH	Andy Blei
8:35	Pathophysiology of PH	Don Rockey [Y]
9:00	Technique & accuracy of measurement	Roberto Groszmann [Y]
9:30	Discussion (30 minutes)	Speakers & Moderators

10:00 Break (30 minutes)

Session 2: *Hepatic Vein Pressure Gradient (HVPG):* Moderators, Roberto Groszmann and Michael Henderson

10:30	Use of HVPG to assess new agents	Jamie Bosch
11:00	Use in primary and secondary prevention	Carlo Merkel
11:30	Monitoring portal hypertension	Lupe Garcia-Tsao [Y]
12:00	Discussion (30 minutes)	Speakers & Moderators

12:30 Lunch (60 minutes)

Session 3: *Role of HVPG Measurements 2:* Moderators Roberto Groszmann and Jaime Bosch

1:30	HVPG in acute hemorrhage	Michael Henderson
1:50	HVPG and TIPS	Jeanne LaBerge
2:10	HVPG in Non-cirrhotic PH	Theo Heller
2:30	HVPG in pediatric liver disease	Ben Shneider
2:50	Discussion (30 minutes)	Speakers & Moderators

3:20 Break (30 minutes)

Session 4: *Other Approaches to Portal Pressure Measurements.* Moderators, Don Rockey and Carlo Merkel

3:50	Variceal Pressure Measurement	David Kravetz
4:10	MRI measurements	Ahmed Gharib [Y]
4:30	Elastography	Nezam Afdhal
4:50	Innovative approaches to imaging for PH	TBA
5:10	Discussion (30 minutes)	Speakers & Moderators

6:00 Reception & Dinner:

Day 2: Saturday, June 17, 2006

Session 5: *HVPG Measurements, Specific Uses in Clinical Trials:*
Moderators, Jay Hoofnagle and Andy Blei

8:30	HVPG to assess therapy of liver disease	Arun Sanyal
9:00	Non-invasive markers for PH	Norm Grace
9:30	End-points for clinical trials	Andy Burroughs [Y]
10:00	Discussion (30 minutes)	

10:30 Break (30 minutes)

Session 6: *Future Directions.* Moderators, Tom Boyer & Don Rockey

11:00	Standardization of measurements	Tom Boyer [Y]
11:30	Open Discussion (60 minutes)	Speakers

12:30 Adjourn

Potential Speakers and Moderators:

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